

## Message Text

SECRET

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ORIGIN SS-25

INFO OCT-01 ISO-00 SSO-00 /026 R

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EUR/SOV:M GARRISON

S/S-OWFROPE

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EUR/SOV, A, M, A/SY/OPS/FO, INR

-----001724 270102Z /20

O 270049Z MAY 78

FM SECSTATE WASHDC

TO AMEMBASSY MOSCOW IMMEDIATE

S E C R E T STATE 135571

EXDIS

E.O. 11652: XGDS-2

TAGS: ASEC

SUBJECT: TECHNICAL PENETRATION

REF: MOSCOW 11855

1. SUGGEST CHAR FORCE AND OTHER SOVIETS BE BARRED  
TEMPORARILY FROM ACCESS TO SOUTH, NORTH AND CENTRAL  
SECTIONS OF CHANCERY UNTIL FURTHER NOTICE TO GREATEST  
EXTENT POSSIBLE TO MAKE FURTHER ACM CHECKS MOST MEANING-  
FUL.

2. PLEASE NOW GIVE FIRST PRIORITY TO BREACHING NEAR GROUND  
LEVEL ANY OTHER CHIMNEYS IN NORTH, CENTRAL OR SOUTH  
TINGS TO CHECK FOR ADDITIONAL INSTALLATIONS.

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3. AS SOON AS IS CONVENIENT, WE REQUEST YOU PERFORM NON-  
DESTRUCTIVE IN-PLACE TESTS OF ANTENNA/PREAMP SYSTEM.  
APPLY VOLTAGES TO SEVERED CABLE BUT DO NOT EXCEED THOSE  
OBSERVED. SET UP SWEPT MODULATED SIGNAL GENERATOR NEAR  
ANTENNA TO PROVIDE SIGNAL SWEPT OVER ESTIMATED OPERATING  
FREQUENCY OF YAGI. ATTEMPT TO RECOVER AMPLIFIED RF,  
MODULATION, OR BOTH AT CABLE END TO ESTABLISH USABLE

BANDWIDTH OF SYSTEM. ADVISE RESULTS.

4. IF SYSTEM CAN BE OPERATED SUCCESSFULLY AS ABOVE  
PLEASE PROCEED WITH TEST TO DETERMINE SYSTEM CHARACTER-  
ISTICS. SUGGESTED PROCEDURE FOLLOWS:

(A) MEASURE SYSTEM FRONT-END NOISE APPEARING AT CABLE END.

(B) MEASURE SENSITIVITY BY PLACING SIGNAL GENERATOR WITH  
KNOWN OUTPUT AT ANTENNA AZIMUTH OF MAXIMUM RESPONSE. MAKE  
SUITABLE RECORD OF LOCATIONS, TRANSMIT ANTENNA CHARACTERIS-  
TICS, ETC. REDUCE GENERATOR OUTPUT WHILE MONITORING AT  
CABLE END TO DETERMINE MINIMUM DETECTABLE SIGNAL.

(C) MEASURE ROUGH ANTENNA PATTERN BY MOVING GENERATOR WITH  
FIXED OUTPUT TO VARIOUS ANTENNA AZIMUTHS (BOTH VERTICAL AND  
HORIZONTAL PLANES IF POSSIBLE). RECORD VARIATION AT CABLE  
END. PROVIDE TELEGRAPHIC SUMMARY AND AWAIT POSSIBLE  
FURTHER TEST INSTRUCTIONS.

5. RECORD EXACT LOCATION AND ORIENTATION OF ANTENNA AS  
FOUND, INCLUDE PHOTOS. -

6. UPON COMPLETION OF IN-PLACE TESTS, PLEASE EXPLORE CAPA-  
BILITIES OF HOISTING ARRANGEMENT. CAN ANTENNA BE CONTROLLED  
IN ORIENTATION AS WELL AS VERTICAL LOCATION? WHAT IS  
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VERTICAL ADJUSTMENT RANGE? CAN ANTENNA BE HOISTED ABOVE  
SOUTH WING ROOF LEVEL? -

7. PRESERVE ACCESS TO CHIMNEY ON 7TH FLOOR FOR  
POSSIBLE USE IN UP-COMING PROJECTS DISCUSSED WITH DON  
SIMPSON.

8. REQUEST EXAMINATION OF CHIMNEY INTERIOR, IF PHYSICALLY  
FEASIBLE, FOR INDICATIONS OF ANTENNA MOVEMENT AND FOR  
PROVISIONS FOR PHYSICAL ENTRY TO EMBASSY. PHOTOGRAPH AS  
APPROPRIATE.

9. OBSERVE MUTS CHARACTERISTICS FOR ANY CHANGE.  
REQUEST FULL ASSISTANCE OF OTHER EMBASSY ELEMENTS WITH  
MONITORING CAPABILITY.

10. PLEASE PROVIDE BY RETURN CABLE:

(A) ANY INDICATIONS OF EQUIPMENT OR INSTALLATION AGE.

(B) APPROXIMATE ANTENNA DIMENSIONS TO ALLOW ESTIMATES OF  
FREQUENCY RANGE.

(C) ESTIMATE OF WHETHER ANTENNA CAN BE HOISTED ABOVE  
SOUTH WING ROOF LEVEL.

11. SENIOR COMMUNITY ELEMENTS HAVE REVIEWED YOUR EFFORTS  
TO DATE. THEY EXTEND COMPLEMENTS FOR OBVIOUS PROFESSIONAL-  
ISM AND A SOLID WELL DONE. VANCE

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NNN

## Message Attributes

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**Capture Date:** 01 jan 1994  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** n/a  
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**Decaption Date:** 20 Mar 2014  
**Decaption Note:** 25 YEAR REVIEW  
**Disposition Action:** RELEASED  
**Disposition Approved on Date:**  
**Disposition Case Number:** n/a  
**Disposition Comment:** 25 YEAR REVIEW  
**Disposition Date:** 20 Mar 2014  
**Disposition Event:**  
**Disposition History:** n/a  
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**Review Markings:**  
Sheryl P. Walter  
Declassified/Released  
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